## CLAIMS

What is claimed is:

1. A method of providing a streaming service in a wireless packet network comprising the steps of:

utilizing a link adaptation technique to adapt a modulation and coding level to achieve a predetermined error rate for transmission of data packets;

utilizing a power control technique to adjust a transmission power to a level which provides desirable performance, said power control technique utilized in combination with said link adaptation technique; and

transmitting said packets of data in accordance with said modulation and coding level and with said transmission power.

2. The method of claim 1 wherein said step of utilizing a link adaptation technique is based on a relationship between said error rate and a signal-to-interference-plus-noise ratio.

3. The method of claim 1 wherein said streaming service comprises a music delivery service.

4. The method of claim 1 wherein said streaming service is provided over a cellular network.

5. The method of claim 1 wherein said predetermined error rate comprises a non-zero error rate.

6. The method of claim 1 wherein said streaming service is provided over packet-switched bearers.

7. The method of claim 1 further comprising the step of applying error-concealment techniques to said data packets at a receiving end.

8. The method of claim 1 wherein said step of utilizing a link adaptation technique is performed at periodic intervals.

9. The method of claim 1 wherein said step of utilizing a power control technique is performed at periodic intervals.

10. The method of claim 2 wherein said signal-to-interference-plus-noise ratio is predicted from a signal path gain, a transmission power level, and a predicted interference power level.

11. The method of claim 3 wherein said music delivery service comprises a MPEG-4 Advanced Audio Coder music service

12. The method of claim 4 wherein said cellular network comprises an Enhanced General Packet Radio Service cellular network.

13. The method of claim 10 wherein said signal-to-interference-plus-noise ratio is estimated by multiplying said transmission power level by said signal path gain and dividing by said predicted interference power level.

14. The method of claim 10 wherein said transmission power level is a maximum transmission power level.

15. The method of claim 10 wherein said transmission power level is determined from said signal-to-interference-plus-noise ratio multiplied by said predicted interference power level divided by said signal path gain.